

What is claimed is:

1. A method for detecting and indicating use state of SATA external storage device, comprising the steps of:

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providing a SATA external storage device connected to a power input unit;

measuring a variation of current flown from said power
10 input unit to an SATA storage unit of said SATA external storage device;

using said variation of current to drive a driving circuit; and

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using an indicating circuit to indicate said variation of current at said driving circuit and thereby indicating a use state of said SATA external storage device.

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2. The method for detecting and indicating use state of SATA external storage device as claimed in claim 1, wherein said driving circuit is a transformer circuit, which receives said variation of current flown from said power
25 input unit to said SATA storage unit of said SATA external storage device and transforms said variation

of current into a voltage adapted to drive said
indicating circuit to operate.

3. The method for detecting and indicating use state of SATA
5 external storage device as claimed in claim 1, wherein
said driving circuit is a relay circuit, which is adapted
to induce a magnetic force for controlling the on or off
of a relay in response to the existence of any current
flown from said power input unit to said SATA storage
10 unit of said SATA external storage device.

4. The method for detecting and indicating use state of SATA
external storage device as claimed in claim 1, wherein
said driving circuit is a voltage comparator circuit,
15 which uses a resistance to detect changes in voltage
between said power input unit and said SATA storage unit
of said SATA external storage device, and then uses a
comparator to control the on or off of said indicating
circuit.

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5. An apparatus for detecting and indicating use state of
SATA external storage device, comprising:

a power input unit;

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a serial ATA (SATA) external storage device electrically

connected to said power input unit;

a driving circuit connected to and between said power
input unit and a SATA storage unit in said SATA external
5 storage device to be driven by a variation of current;
and

an indicating circuit electrically connected to and
driven by said driving circuit.

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6. The apparatus for detecting and indicating use state of
SATA external storage device as claimed in claim 5,
wherein said driving circuit is a transformer circuit,
which receives said variation of current flown from said
15 power input unit to said SATA storage unit of said SATA
external storage device, and transforms said variation
of current into a voltage adapted to drive said
indicating circuit to operate.

207. The apparatus for detecting and indicating use state of
SATA external storage device as claimed in claim 5,
wherein said driving circuit is a relay circuit, which
is adapted to induce a magnetic force for controlling
the on or off of a relay in response to the existence
25 of any current flown from said power input unit to said
SATA storage unit of said SATA external storage device.

8. The apparatus for detecting and indicating use state of
SATA external storage device as claimed in claim 5,
wherein said driving circuit is a voltage comparator
5 circuit, which uses a resistance to detect changes in
voltage between said power input unit and said SATA
storage unit of said SATA external storage device, and
then uses a comparator to control the on or off of said
indicating circuit.